

What is claimed is:

1. A display device, comprising:

a light source;

5 an image generator for outputting an image signal of an image to be displayed; and

an image projector for processing light from said light source by use of the image signal outputted from said image generator and for projecting an image on a screen of a predetermined curved surface,

10 wherein said image projector allows an aberration shape of an optical system on a projected image to be substantially coincide with the shape of a projection curved surface of said screen.

2. The display device according to claim 1,

wherein the shape of the projection curved surface of said screen is a curved surface shape between Petzval surface by a curvature of field of a projection optical system and a tangential image surface of astigmatism and a spherical image surface.

20 3. The display device according to claim 1,

wherein said screen is made to have a projection surface of a convex surface relative to said projection optical system in the case where a distortion of said projection optical system is a pin-cushion type, and made to have a projection surface of a concave surface relative to the projection optical system in the case where the distortion of said projection optical system is a barrel type.

25 4. The display device according to claim 1,

wherein said image projector performs a processing to distort an image signal in advance, which is outputted from said image generator, and makes an aberration shape of said projection optical system substantially coincide with the shape of the projection curved surface of said screen.

30 5. The display device according to claim 1,

wherein the surface shape of said screen is continuous with peripheral members including a support member, in which the display

device is built in, in design.

6. The display device according to claim 1,

wherein said screen is divided into a plurality of projection sections,

each projection section is arranged so as to be directed to a subject viewer, and

said image projector projects different display information to each of the projection sections.

10 7. A display device, comprising:

a light source;

image generating means for outputting an image signal of an image to be displayed; and

15 image projecting means for processing light from said light source by use of the image signal outputted from said image generating means and for projecting an image on a screen of a predetermined curved surface,

wherein said image projecting means allows an aberration shape of an optical system on a projected image to be substantially coincide with the shape of a projection curved surface of said screen.

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